



2105 Pless Drive • Brighton, Michigan 48114 • Phone (810) 229-7575 • Fax (810) 229-8650 • E-mail bai-brighton@sbcglobal.net

May 04, 2016

ATC Associates
46555 Humboldt Dr.
Suite 100
Novi, MI 48377

Subject: Mumford High School - 17525 Wyoming
188BS16209

Dear Mr. Smith :

Thank you for making Brighton Analytical, L.L.C. your laboratory of choice. Attached are the results for the samples submitted on 04/25/2016 for the above mentioned project. NELAP/TNI Accredited Analysis and MDEQ Drinking Water Certified Analysis will be identified in their respective reporting formats. Hard copies can be supplied at your request for a fee of \$20.00 per copy.

The invoice for this project will be emailed separately. If you have any questions concerning the data or invoice, please don't hesitate to contact our office. We welcome your comments and suggestions to improve our quality systems. Please reference Brighton Analytical, L.L.C. Project ID 38699 when calling or emailing. We thank you for this opportunity to partner with you on this project and hope to work with you again in the future.

Sincerely,
Brighton Analytical, L.L.C.





Brighton Analytical, L.L.C.
Email: ba@brighton-spcglobal.net
2105 Pless Drive
Brighton, MI 48114
Phone: 810-229-7575
Fax: 810-229-8650

BA PROJECT #
38699

Analysis Requested/Method

PAGE **1** OF **1**
COMPANY/MAILING ADDRESS:

PROJECT NAME:

17525 Wyoming
Mumford High School

PROJECT #:

184BS16209

PO #: (PLEASE NOTE IF DIFFERENT BILLING ADDRESS)

ABBREVIATIONS
FOR MATRIX
S = Solid
L = Liquid
DW = Drinking H₂O
O = Oil
P = Wipe
A = Air (Tealor Bag)
F = Filter
T = Tube
M = Misc.

Sample collected by:

David Winter

REQUESTED TURNAROUND: (circle one)

Rush: 1-3 business days (verify with lab & specify date needed)

1 Day = 2.5X Cost 2 Day = 2X Cost 3 Day = 1.5X Cost

Standard: 5 business days

If RUSH, approved by:

Sample Coll.

Brighton ID #

Sample Description

Date

Time

VOA'S (PRES) Y N N/A

HDPE UNPRESERVED

HDPE HNO₃

HDPE H₂SO₄

HDPE NAOH

AMBER PRESERVED?

GLASS, NO PRESERVATIVE

STERILIZED BACTERIA

MEOH Preserved Y N

Container Type & Quantity

Sample Matrix

LEAD - PRIMARY (P)
Copper - PRIMARY (P)

LEAD - FLUSH (F) - HOLD
Copper - FLUSH (F) - HOLD

Temperature of samples °C:
pH's verified in login? ☒ yes ☐ no
Headspace/bubbles in VOA's? ☐ yes ☐ no ☒ n/a
Sample containers and COC match? ☒ yes ☐ no

BILLING ADDRESS (IF REQUIRED):

same as mail file

Drinking H₂O:

Fax to LCHD? ☐ yes ☒ no

Chlorinated Water Supply? ☐ yes ☒ no

AMT.: **KA**

MCL Failure: ☐ yes ☐ no

Client Notified (date/time/initials):

Special Instructions:

IF Lead or Copper IS above detection limits - Analyze FLUSH Sample

Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analyses.

Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:
1	David Winter	Robert Smith	4/25/16	1200	3				
2	David Winter	Robert Smith	4/25/16	1:30	4				



Brighton Analytical LLC
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Brighton, Michigan 48114
Phone: (810)229-7575 (810)229-8650
e-mail: bai-brighton@sbcglobal.net
MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 4/21/2016 06:30
Submit Date/Time: 4/25/2016 13:30
Report Date: 5/4/2016

ATC Associates
46555 Humboldt Dr.
Suite 100
Novi, MI 48377

BA Project # **38699**
BA Sample ID **CD01148**

Project Name: **Mumford High School - 17525 Wyoming**
Project Number: **188BS16209**
Sample ID: **1-K-P-Mum-Kitchen**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	110	ug/L	20	1300	EPA 200.8 rev5.4	11:52	05/02/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	11:52	05/02/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

5/4/16



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NELAC Accredited #176507

Sample Date/Time: 4/21/2016 06:32
Submit Date/Time: 4/25/2016 13:30
Report Date: 5/4/2016

ATC Associates
46555 Humboldt Dr.
Suite 100
Novi, MI 48377

BA Project # **38699**
BA Sample ID **CD01150**

Project Name: **Mumford High School - 17525 Wyoming**
Project Number: **188BS16209**
Sample ID: **2-DWF-P-Mum @ Cafeteria**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
Drinking Water Metal Analysis							
Total Copper (Drinking Water)	100	ug/L	20	1300	EPA 200.8 rev5.4	11:57	05/02/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	11:57	05/02/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date


5/4/16



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MDNRE Certified #9404
NELAC Accredited #176507

Sample Date/Time: 4/21/2016 06:34
Submit Date/Time: 4/25/2016 13:30
Report Date: 5/4/2016

ATC Associates
46555 Humboldt Dr.
Suite 100
Novi, MI 48377

BA Project # **38699**
BA Sample ID **CD01152**

Project Name: **Mumford High School - 17525 Wyoming**
Project Number: **188BS16209**
Sample ID: **3-K-P-Mum Teachers Lounge**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
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Drinking Water Metal Analysis

Total Copper (Drinking Water)	1100	ug/L	20	1300	EPA 200.8 rev5.4	12:01	05/02/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:01	05/02/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by

Date

5/4/16



BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY
CONTROL

ICP-MS

METHOD 6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 5/2/2016

Standard ID: 042216 H2O

Batch: 4/27/2016 W12

Matrix Spike Lab ID: CD01166

Matrix: Total

Analyst: LT

Metals	Matrix Spike - Precision *			Matrix Spike - Accuracy**				Miscellaneous***		
	Matrix Spike (ug/kg)	Matrix Spike Dup (ug/kg)	RPD (%)	Spk Conc (ug/kg)	MS Recovery (%)	MSD Recovery (%)	Sample Conc (ug/kg)	Method Blk (ug/kg)	LCS-Method STD (%)	Ind. Std. (%)
Copper	974	977	0.3	1000	96.9	97.2	5	<20	98.1	102.4
Lead	958	936	2.3	1000	95.4	93.2	4	<1	94.2	94.2

* Matrix spike precision range +/- 20% RPD

** Matrix spike accuracy range +/- 20% recovery

*** LCS accuracy range +/- 15% recovery / Ind std accuracy range +/- 10% recovery

Comments: _____